Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CW #94-98: Quadrilaterals

Honors Geometry

March 14th- 18th

The following problems will be completed in class. There are multiple correct answers to each problem. Your work will be graded based of the Problem Solving Criteria. Each problem will be worth 6 points, 2 points for yes, 1 point for almost, and 0 points for no.

1. If (3, 1) and (-1, -2) are to vertices of a quadrilateral. What are two coordinates that would create a square?
2. Prove the coordinates create a square.
3. If (3, 1) and (-1, -2) are to vertices of a quadrilateral. What are two coordinates that would create a rectangle?
   1. Prove the coordinates create a rectangle.
4. If (3, 1) and (-1, -2) are to vertices of a quadrilateral. What are two coordinates that would create a parallelogram?
   1. Prove the coordinates create a parallelogram.
5. If (3, 1) and (-1, -2) are to vertices of a quadrilateral. What are two coordinates that would create a trapezoid?
   1. Prove the coordinates create a trapezoid.
6. If (3, 1) and (-1, -2) are to vertices of a quadrilateral. What are two coordinates that would create an isosceles trapezoid?
   1. Prove the coordinates create an isosceles trapezoid.
7. If (3, 1) and (-1, -2) are to vertices of a quadrilateral. What are two coordinates that would create a rhombus?
   1. Prove the coordinates create a rhombus.
8. If (3, 1) and (-1, -2) are to vertices of a quadrilateral. What are two coordinates that would create a kite?
   1. Prove the coordinates create a kite.